

ABSTRACT

An earth electrode is formed on the brim surface of the plug insulator and on the outer surface of the middle portion of
5 the plug insulator along the axial direction. The earth electrode connected with one side of the combustion pressure sensor is provided on a whole surface opposite to a combustion pressure signal electrode. The earth electrode works also a shield member for shielding the high
10 frequency noise generated inside the insulator. A part of the outer side of the earth electrode is covered by an insulating layer for insulating the earth electrode from the combustion pressure signal electrode. The combustion pressure sensor held between the insulator brim and
15 electrode brim is given a prescribed compression load by a metal cylindrical bolt which presses down the electrode brim of the toward the combustion pressure sensor.

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